

Claims

1. A computer system which has plural client computers, plural various servers, plural various storages which keep data, a local area network (LAN) which connects said computers and said servers, and a storage area network (SAN) which lies between said servers and said storages,

wherein said SAN forms a switched circuit network which is capable of connecting any said servers and any said storages through fiber channel switches (FC switches),

said computer system comprising a terminal having operation and management software which performs storage management comprising management of logical volumes in said plural storages, data arrangement and error monitoring, management of setting up said FC switches, and a backup operation for data in said storages.

2. The computer system as claimed in claim 1, wherein said SAN is connected to SAN in other computer system via a wide area network (WAN).

3. The computer system as claimed in claim 1, wherein when data in a primary volume in said storage is backed up to a backup device in a non-disruptive manner, a secondary volume corresponding to said primary volume is created in said storage by an internal function, a copy is made from said primary volume to said secondary volume, and said copy is transferred to said backup device via said SAN without passing said LAN.

4. A computer system which has plural client computers, plural various servers, plural various storages which keep data, a local area network (LAN) which connects said computers and said servers, a storage area network (SAN) which lies between said servers and said storages wherein:

wherein said SAN forms a switched circuit network which is capable of connecting any said servers and any said storages through fiber channel switches (FC switches), and

wherein when data in said storage is backed up to a backup device in a non-disruptive manner, said storage has function of receiving instruction of a volume split from said server, function of assuming as if data in a primary volume were kept in a secondary volume at the time of said instruction, and function of backing up said data from said secondary volume to a backup device.

a fourth step of receiving of processing the data denoted by said information from said storage result.

12. The method for managing said system as claimed in claim 8, wherein said server in said system is connected with an internet, and said data is sent out to said internet.

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and said date

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